

Converting Colors

$Yxy(23.3363, 0.5187, 0.3536)$

Have a look what the booklet for
Yxy(23.3363, 0.5187, 0.3536)
contains.

Yxy(23.3310, 0.5182, 0.3532)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.3310, 0.5182, 0.3532)

Conversions

Conversions Part 1

Format	Color
Hex	DB5D46
RGB	219, 93, 70
RGB Percent	86%, 36%, 27%
CMY	0.1412, 0.6352, 0.7255
CMYK	0.00, 0.58, 0.68, 0.14
HSL	9°, 67%, 57%
HSV	9°, 68%, 86%
XYZ	34.2302, 23.3310, 8.4948
YIQ	128.0520, 82.4790, 19.5590

Conversions

Conversions Part 2

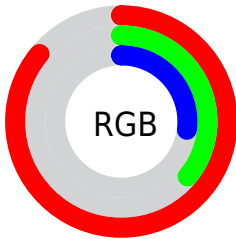
Format	Color
R_{YB}	219, 97, 70
Decimal	14376262
CIE _{Lab}	55.41, 47.93, 37.66
CIE _{LCh}	55, 60.955, 38.163
Yxy	23.3310, 0.5182, 0.3532
Android (android.graphics.Color)	4292566342 (0xFFDB5D46)
YUV	128.0520, -28.6196, 79.7614
Hunter-Lab	48.3022, 41.9686, 23.3843

Details

The Yxy color **23.3310, 0.5182, 0.3532** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **45.8839, 0.2262, 0.2961**, and the grayscale version is **21.6877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4593, 0.4531, 0.3580**, and **8.7255, 0.5868, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **20.2372, 0.5607, 0.3521**, and if you desaturate by 10%, it is **27.3151, 0.4751, 0.3519**.

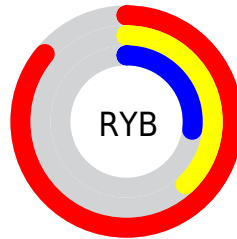
Distribution



Red (86%)

Green (36%)

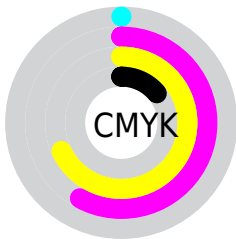
Blue (27%)



Red (86%)

Yellow (38%)

Blue (27%)

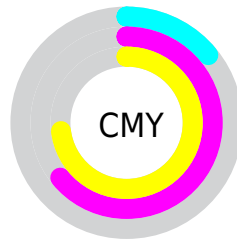


Cyan (0%)

Magenta (58%)

Yellow (68%)

Black (14%)



Cyan (14%)


Magenta (64%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3310, 0.5182, 0.3532 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 23.3310, 0.5182, 0.3532 by changing the saturation by 10% instead.


 23.3310, 0.5182,
0.3532


 23.3310, 0.5182,
0.3532


269.4205, 0.4052,
0.3491

 14.8381, 0.5481,
0.3500


 48.9363, 0.4754,
0.3545


 8.7058, 0.5862,
0.3428


 66.8174, 0.4598,
0.3540

 4.5498, 0.6393,
0.3295


 88.5968, 0.4468,
0.3533

 1.9856, 0.7023,
0.2977

 114.6587, 0.4358,
0.3525

 0.5991, 0.7777,
0.2223

 145.3877, 0.4264,
0.3516

 0.0000, 1.0000,
0.0000

181.1681, 0.4184,

 0.0000, 0.0000,

0.3508

0.0000

222.3842, 0.4114,
0.3499

■ 23.3310, 0.5182,
0.3532

■ 23.3310, 0.5182,
0.3532

■ 20.2372, 0.5607,
0.3521

■ 27.3151, 0.4751,
0.3519

■ 17.9605, 0.5971,
0.3480

■ 32.2474, 0.4352,
0.3489


■ 16.4199, 0.6225,
0.3418

■ 38.1854, 0.4002,
0.3449


■ 16.1918, 0.6265,
0.3407

■ 45.1809, 0.3707,
0.3406

■ 53.2822, 0.3463,
0.3363

 62.5345, 0.3262,
0.3321

 72.9804, 0.3097,
0.3283

 84.6605, 0.2962,
0.3247

 93.7977, 0.2911,
0.3289

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.3310, 0.4645, 0.2856



23.3310, 0.5182, 0.3532



23.3310, 0.5010, 0.4259

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.3310, 0.5182, 0.3532



23.3310, 0.2451, 0.4744



23.3310, 0.1833, 0.1775

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.3310, 0.5182, 0.3532



45.8839, 0.2262, 0.2961

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.3310, 0.1470, 0.1945



23.3310, 0.5182, 0.3532



23.3310, 0.1746, 0.3535

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.3310, 0.5182, 0.3532



23.3310, 0.3399, 0.5289



23.3310, 0.1431, 0.2502



23.3310, 0.2553, 0.1900

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.3310, 0.5182, 0.3532



23.3310, 0.4593, 0.4741



23.3310, 0.1431, 0.2502



23.3310, 0.1674, 0.1796

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.3323, 0.5182, 0.3532



72.6455, 0.3511, 0.3372



23.4538, 0.3458, 0.1957



14.8412, 0.3579, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.3323, 0.5182, 0.3532



26.9335, 0.5788, 0.3505



43.0801, 0.4456, 0.4353



13.3746, 0.3288, 0.3327



9.7039, 0.6246, 0.3423



0.7324, 0.5967, 0.3644

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45.8839, 0.2262, 0.2961



60.4145, 0.2168, 0.2880



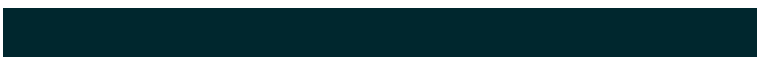
20.3721, 0.1983, 0.1812



14.4690, 0.2982, 0.3253



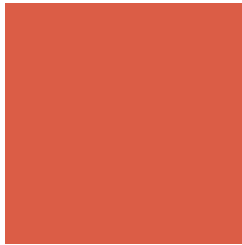
23.7808, 0.2109, 0.2794



1.6351, 0.2134, 0.2883

Previews

White Background



This preview shows how the Yxy color 23.3310, 0.5182, 0.3532 looks on a white background.

Color Contrast Check

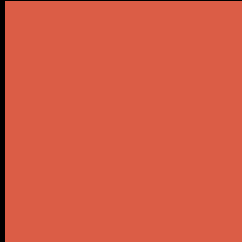
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 23.3310, 0.5182, 0.3532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.3310, 0.5182, 0.3532

Background



This preview shows how black text looks on a background with the Yxy color 23.3310, 0.5182, 0.3532.



This preview shows how white text looks on a background with the Yxy color 23.3310, 0.5182, 0.3532.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.3310, 0.5182, 0.3532

Protanopia

23.4349, 0.3810, 0.4121

Deuteranopia

23.4301, 0.4311, 0.4245



Tritanopia

23.3542, 0.4889, 0.3241

Trichromacy



Original Color

23.3310, 0.5182, 0.3532

Protanomaly

22.2920, 0.4325, 0.3871

Deuteranomaly

22.8452, 0.4645, 0.3947

Tritanomaly

23.3697, 0.5007, 0.3349

Monochromacy



Original Color

23.3310, 0.5182, 0.3532

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.9001, 0.3844, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3310, 0.5182, 0.3532 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(219, 93, 70)` looks like.

```
.text, #text, p{  
    color:rgb(219, 93, 70)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(219, 93, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 93, 70) }
```

Border

The CSS property to change the border of an element to Yxy 23.3310, 0.5182, 0.3532 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 93, 70) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(219, 93, 70) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(219, 93, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 93, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 93, 70);  
box-shadow:4px 4px 4px 4px rgb(219, 93,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3310, 0.5182, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 93, 70) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(219, 93,  
70) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor